



READ ME FIRST

Sun 4400 CPU

Memory Board Installation



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Reading Cardcage Slot Assignment Tables

Refer to *Generic Cardcage Table* below. Example products listed here are qualified by Sun as candidates for installation into the six-slot cardcage. Products are listed vertically according to *required order of installation*.

Horizontal slot designators "A", "B", "C", etc., correspond to preferred location for board in question. "A" denotes most preferred location. If only designation "A" appears, install board in this slot **ONLY**. Install boards in descending order commencing with CPU board.

Notes associated with each board appear as parenthesized letters [(a), (b), etc.] Notes direct the reader to related information pertaining to related board. Read all such notes before installing boards.

Caution: Install boards in correct order or system may lose performance or functionality.

Table 0-1 *Generic Card Cage Table*

BACKPLANE		BOARD NAME	BACKPLANE					
JUMPERS			SLOT POSITION					
BG3	IACK							
P	P							
X	X		#	#	#	#	#	
0	0							
3	4		1	2	3	4	5	6
OUT	OUT	CPU Board	A					
IN	IN	1st Memory Expansion Board		A				
IN	IN	Floating Point Accelerator				A		
IN	IN	2nd Memory Expansion Board			A			
OUT	OUT	SCSI Controller		A	B	C	D	E
OUT	OUT	2nd Ethernet Controller		A	B	C	D	E

Example Board Placement

Assume six boards are to be installed into this hypothetical six-slot cardcage

- ☐ CPU board
- ☐ SCSI board
- ☐ 2 Memory Expansion boards
- ☐ Floating Point Accelerator (FPA) board
- ☐ 2nd Ethernet Controller board

Compare boards on hand with boards listed in table above. Boards are assigned ordinal order as listed vertically in table — first (topmost) through last (bottommost). Install boards in correct descending order as presented or system may lose performance or functionality.

First Board	CPU board in slot 1: "A" in column corresponding to slot 1 denotes CPU must be installed in slot 1.
Second Board	1st memory board in slot 2: "A" in slot 2 denotes 1st memory board must be installed in slot 2.
Third Board	FPA in slot 4: FPA (next item listed) must be installed before 2nd memory board. Install FPA in slot 4.
NOTE <i>If user plans to install 3rd memory board and FPA, user would discover upon attempting to install FPA in slot 4 that 3rd memory board should also be placed in slot 4. Rules of precedence dictate that, since 3rd memory board is listed two places below FPA, 3rd memory board cannot be installed when FPA present.</i>	
Fourth Board	2nd memory board in slot 3: "A" in slot 3 denotes 2nd memory board must be installed in slot 3.
Fifth Board	SCSI controller in slot 5: When choice exists (in this case, slots 2 through 5) determine slots already filled. Slots 5 and 6 remain, but "D" in slot 5 has higher priority than letter "E". Install board in slot 5.
Sixth Board	2nd Ethernet in slot 6: 2nd Ethernet is lowest of products listed in this example. Install this unit in last cardcage slot available, denoted by letter "E" in table.

Backplane Jumpers

1. **ALL SLOTS:** Install backplane jumpers in locations JX00, JX01 and JX02, where X represents slot number.
2. **TO INSTALL BOARD:** Configure backplane jumpers JX03 and JX04 according to *SPARCserver 4X0 Memory Cardcage Slot Assignment Table* below.
3. **TO REMOVE BOARD:** For slot in question, Install backplane jumpers at locations JX03 & JX04, outside filler panel and air flow restrictor.

NOTE *Slots 1 through 3 are non-VME slots. They are reserved for memory boards only.*

SPARCserver 4X0 Memory Cardcage Slot Assignment Table

BACKPLANE		BOARD NAME	BACKPLANE						
JUMPERS			SLOT POSITION						
BG3	IACK								
P	P								
X	X								
0	0								
3	4		1	2	3	4	5	6	7
OUT	OUT	Sun 501-1381 CPU Board (a)				A			
IN	IN	1st Sun Memory Board (b) (c)	A						
IN	IN	2nd Sun Memory Board (b) (c)							A
IN	IN	3rd Sun Memory Board (b) (c)		A					
IN	IN	4th Sun Memory Board (b) (c)						A	
IN	IN	5th Sun Memory Board (b) (c)			A				
IN	IN	6th 501-1721 Sun Memory Board (b)					A		

Notes

- Sun 4400 CPU board occupies two cardcage slots. Jumpers are required in backplane locations J503 and J504. Second cardcage slot used by CPU to physically accommodate two classes of options (P4-based). Contact local sales office for list of available options. Refer to appropriate option installation manual to resolve specific connectivity issues.
If 6th memory board installed, refer to *32- and 128-MB Installation and Configuration Procedures* (800-3518-11) for special instructions.
- Configure jumper on memory board backpanel according to number of memory boards installed in cardcage. Refer to *32- and 128-MB Memory Board Installation and Configuration Procedures*, P/N 800-3518 for correct jumper positioning.
- This board is one of the following:
501-1333 Sun 32-MB Memory Board
501-1721 Sun 128-MB Memory Board

Subject: [Illegible]

Date: [Illegible]

Author: [Illegible]

Editor: [Illegible]

Printer: [Illegible]

Place: [Illegible]

Year: [Illegible]

Volume: [Illegible]

Issue: [Illegible]

Page: [Illegible]

Section: [Illegible]

Chapter: [Illegible]

Part: [Illegible]

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